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 DEPARTMENT OF THE ARMY 01040.TD  
 U.S. ARMY CORPS OF ENGINEERS -----

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 GUIDE SPECIFICATION FOR MILITARY CONSTRUCTION  
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 NOTE: This section was last modified by S. Walters  
 in Jan 2001. Submittal descriptions were changed to  
 match the unified submittal descriptions now used in  
 all Corps, NAVY, and NASA Guides. The new "MTA" tag  
 was also added.  
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SECTION 01040

COORDINATION, FIELD ENGINEERING, AND MEETINGS

PART 1 GENERAL

1.1 SUBMITTALS

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 NOTE: Submittals must be limited to those necessary  
 for adequate quality control. The importance of an  
 item in the project should be one of the primary  
 factors in determining if a submittal for the item  
 should be required.  
  
 Indicate submittal classification in the blank space  
 following the name of the item requiring the  
 submittal by using "G" when the submittal requires  
 Government approval. Submittals not classified as  
 "G" will show on the submittal register as  
 "Information Only". For submittals requiring  
 Government approval, a code of up to three  
 characters should be used following the "G"  
 designation to indicate the approving authority;  
 codes of "RE" for Resident Engineer approval, "ED"  
 for Engineering approval, and "AE" for  
 Architect-Engineer approval are recommended.  
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Government approval is required for submittals with a "G" designation;  
 submittals not having a "G" designation are for information only. When  
 used, a designation following the "G" designation identifies the office  
 that will review the submittal for the Government. The following shall be  
 submitted in accordance with Section 01300 SUBMITTAL PROCEDURES:

SD-09 Manufacturer's Field Reports

Survey Field Notes; G, [\_\_\_\_].

Promptly upon completing a survey in accordance with paragraph: QUANTITY

SURVEYS, the Contractor shall furnish the originals of all field notes and all other records relating to the survey or to the layout of the work to the Contracting Officer, who shall use them as necessary to determine the amount of progress payments. The Contractor shall retain copies of all such material furnished to the Contracting Officer.

## 1.2 WORK SCHEDULE

Contractor shall work between \_\_\_\_ a.m. and \_\_\_\_ p.m. Monday through Friday unless otherwise directed by the Contracting Officer.

## 1.3 UTILITY OUTAGE COORDINATION

### 1.3.1 Approval

The Contractor shall obtain written permission/approval from the Contracting Officer 21 days prior to:

- (1) Performing any work which will close any runway or street or interrupt any utility service.
- (2) Making any excavation: Any damage to underground utilities, communication lines, etc, will be the responsibility of the Contractor if the approval is not obtained.
- (3) Utility outages: The proposed outage request shall indicate the proposed work and length of outage.

### 1.3.2 Government Right to Delay

The Government reserves the right to postpone for 7 days, any scheduled outages. There shall be no outages when the outside temperature is expected to be below 35 degrees F.

### 1.3.3 Government Performance

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USE EITHER PARAGRAPH 1.3 OR PARAGRAPH 1.4. ON  
PROJECTS WHERE THERE IS UNIT PRICING AND QUANTITIES  
ARE BASED ON SURVEYS, USE PARAGRAPH 1.3. FOR LARGE  
DAMS OR DESIGNATED CRITICAL STRUCTURES, USE  
PARAGRAPH 1.4.

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Government personnel shall perform all shutting off and turning on of valves and switches necessary to accomplish scheduled outage.

## 1.4 QUANTITY SURVEYS (APR 1984) (FAR 52.236-16)

### 1.4.1 General

Quantity surveys shall be conducted, and the data derived from these surveys shall be used in computing the quantities of work performed and the actual construction completed and in place.

### 1.4.2 Conducting Surveys and Computations

The Contractor shall conduct the original and final surveys and surveys for any periods for which progress payments are requested. All these surveys shall be conducted under the direction of a representative of the Contracting Officer, unless the Contracting Officer waives this requirement in a specific instance. The Government shall make such computations as are necessary to determine the quantities of work performed or finally in place. The Contractor shall make the computations based on the surveys for any periods for which progress payments are requested.

#### 1.5 QUANTITY SURVEYS (APR 1984) (FAR 52.236-16)

##### 1.5.1 General

Quantity surveys shall be conducted, and the data derived from these surveys shall be used in computing the quantities of work performed and the actual construction completed and in place.

##### 1.5.2 Conducting Surveys and Computations

The Government shall conduct the original and final surveys and make the computations based on them. The Contractor shall conduct the surveys for any periods for which progress payments are requested and shall make the computations based on these surveys. All surveys conducted by the Contractor shall be conducted under the direction of a representative of the Contracting Officer, unless the Contracting Officer waives this requirement for a specific instance.

#### 1.6 LAYOUT OF WORK (APR 1984) (FAR 52.236-17)

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**USE THE FOLLOWING FOR ALL CONTRACTS.**  
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The Contractor shall lay out his work from Government-established base lines and bench marks indicated on the drawings and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at his own expense, all stakes, templates, platforms, equipment, tools, and materials and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through his negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due or to become due to the Contractor.

#### 1.7 OTHER CONTRACTORS

(Reference CONTRACT CLAUSE entitled "Other Contracts.") Other Contractors will be working in the project area during construction under this contract. The Contractor shall arrange and perform his work and store his materials in cooperation with other Contractors and as directed by the Contracting Officer. Other Contractors working during this same period of construction are listed as follows:

Contractor	Description of Work	Contract No.
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#### 1.8 MONUMENT REPLACEMENT

##### 1.8.1 General

Government-established horizontal and vertical control monuments that are shown on the drawings, if destroyed shall be reestablished by the Contractor in locations as directed by the Contracting Officer. Control points set by the Contractor for the purpose of reestablishing the monuments and to properly control the work, if destroyed and not reset by the Contractor, shall be reestablished by the Government at the Contractor's expense. Survey shall be performed by a Registered Land Surveyor.

#### 1.8.2 Horizontal Control

Horizontal control shall be based on the State Plane Coordinate System as developed by the National Geodetic Survey. Horizontal control shall originate and close on control points established by the Government.

#### 1.8.3 Vertical Control

Elevations shall originate and close on vertical controls established by the Government. Third Order Accuracy or better shall be maintained for all vertical survey control. Vertical error shall be adjusted for all control markers established throughout each level loop. A transcript of all adjusted vertical marks set and adjusted horizontal marks set, shall be furnished on forms furnished by the Government. (SWD Form 598)

#### 1.8.4 Survey Procedure

Standard ground survey methods necessary to obtain Third Order Accuracy standards shall be used. The standard 4-3/4- by 7-1/2-inch hardback fieldbook shall be used. The party setup, weather conditions, and date shall be entered at the top of the page for each workday. The original notebook shall be turned in at the completion of the work and shall become the property of the Government.

#### 1.8.5 Monuments

Concrete monuments shall be set as control monuments, where required. The monuments shall consist of 6-inch -diameter concrete posts of standard mix and a Government-furnished bronze disk flush with top, set at least 2.6 feet into solid ground and 0.4 foot above the ground surface. A No. 4 18-inch reinforcing bar shall be cast in the top portion of the monument. Each monument shall be identified by stamping the bronze disk with steel dies, indicating thereon the name of the site and number of the monument. A Government-furnished galvanized U-channel rail steel delineator post, 6.5 feet in length with a USCE sign attached shall be set in concrete within 1 foot of each control monument. Markers which fall in roads or improved areas shall be either buried or a disk set flush in pavement, whichever may be appropriate to the situation. Control monuments shall be referenced by chain distance and angle to at least three objects, such as blazed trees, crosses in solid rock, or other physical features in the immediate vicinity.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section --